

File Path: J:\DWG\GP20171100D20\CivilPlan20171100D20.CON02.dwg Layout: CS-101 Plotted: Fri, January 17, 2020 - 2:31 PM User: sarinda
MS VIEW: LAYER STATE: PLOTTER: NONE CTB File: FO.STB

PRE- VERSUS POST-CONDITIONS PEAK FLOW RATE AND VOLUMETRIC COMPARISON TABLE:

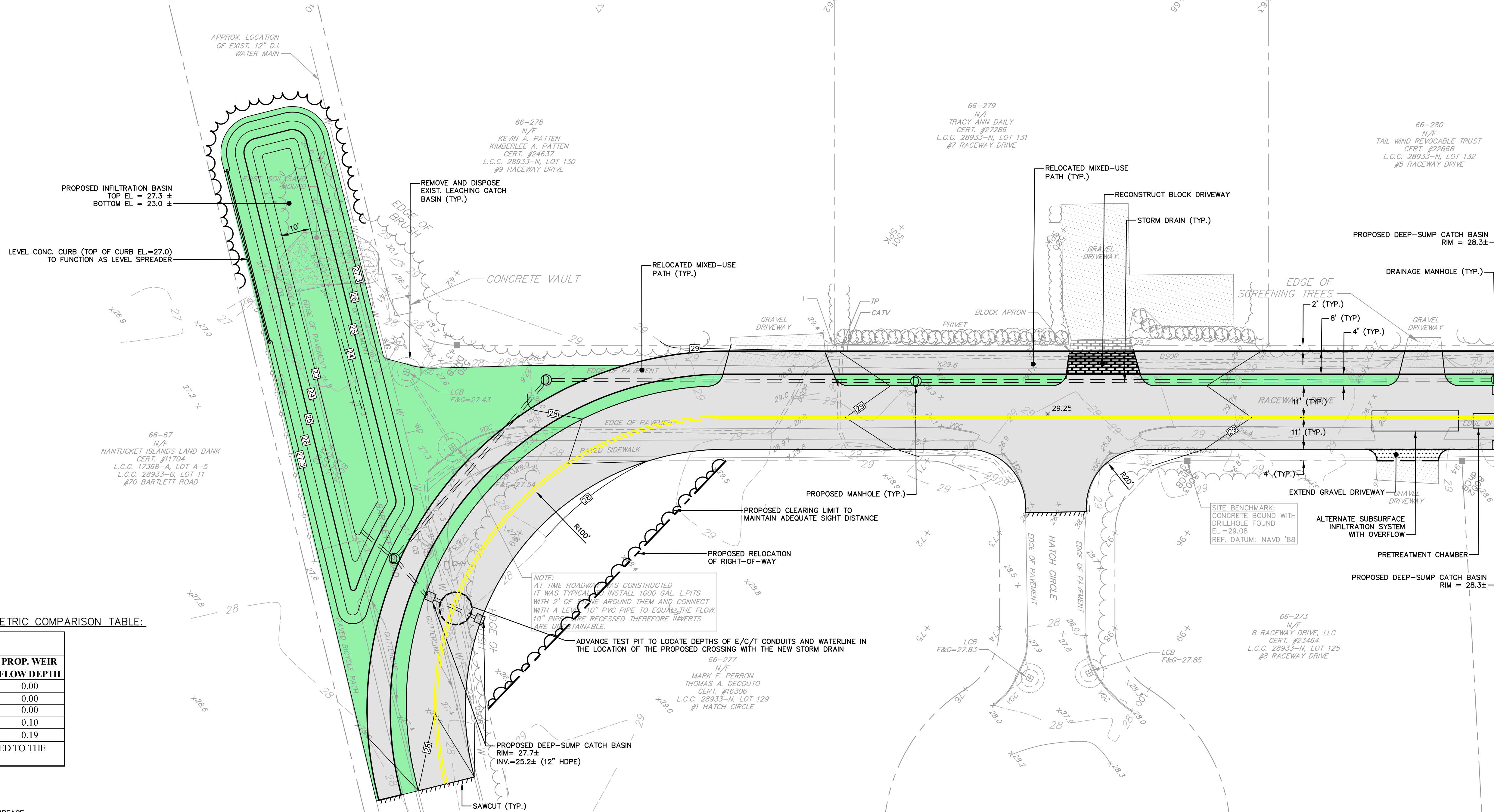
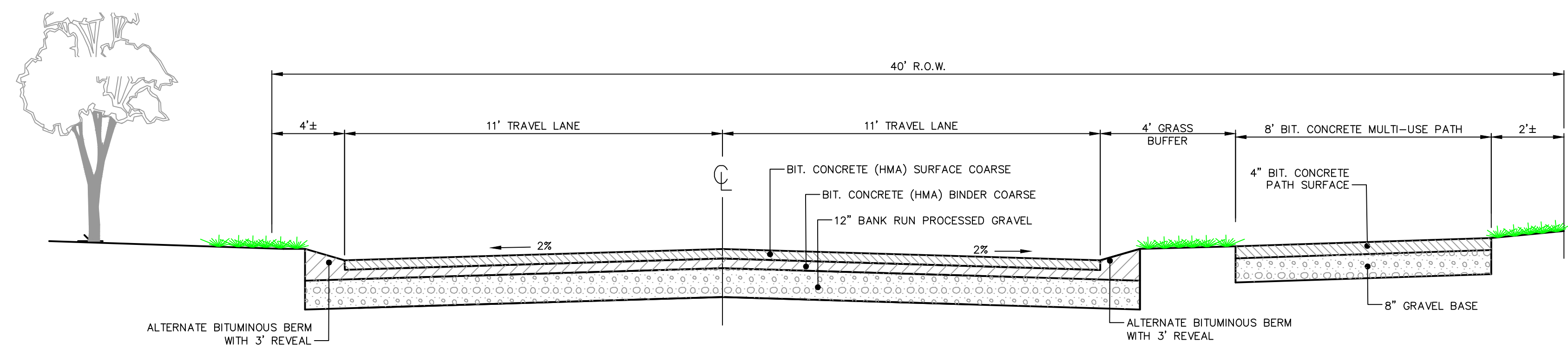
	PEAK DISCHARGE (CFS)		DISCHARGE VOLUME (CF)				PROP. WEIR FLOW DEPTH
	PRE	POST	PRE	POST	VOLUME REDUCTION		
1-year	0.29	0	5,487	0	5,487		0.00
5-year	2.06	0	21,188	0	21,188		0.00
10-year	3.66	0.15	33,458	230	33,228		0.00
25-year	6.84	5.06	56,724	16,954	39,770		0.10
100-year	14.63	13.76	112,576	64,312	48,264		0.19

NOTE: ASSUME ALL POST-DEVELOPMENT RUNOFF IS EFFECTIVELY CONVEYED TO THE PROPOSED INFILTRATION BASIN.

ALTERNATE SUBSURFACE INFILTRATION SYSTEM DESIGN NOTE:

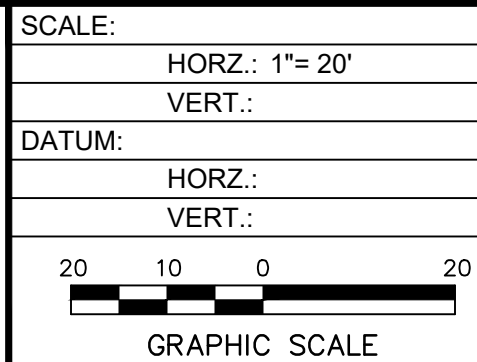
BASED ON PRELIMINARY HYDROLOGIC COMPUTATIONS, IT APPEARS THAT THE ALTERNATE SUBSURFACE INFILTRATION SYSTEMS WILL NOT BE REQUIRED AS LONG AS RUNOFF GENERATED BY THE PROJECT SITE CAN BE EFFECTIVELY CONVEYED TO THE PROPOSED INFILTRATION BASIN BY A NEW CLOSED-CONDUIT DRAINAGE SYSTEM CONSISTING OF DEEP-SUMP CATCH BASINS AND STORM DRAIN PIPING. HOWEVER, THIS DETERMINATION WILL BE MADE FINAL DURING THE DETAILED DESIGN STAGE.

TYPICAL ROADWAY CROSS SECTION
NOT TO SCALE



MATCH LINE SEE SHEET CS-102

DRAFT



f **FUSS&O'NEILL**

317 IRON HORSE WAY, SUITE 204
PROVIDENCE, RI 02908
401.861.3070
www.fando.com

TOWN OF NANTUCKET

CONCEPT PLAN NO. 1

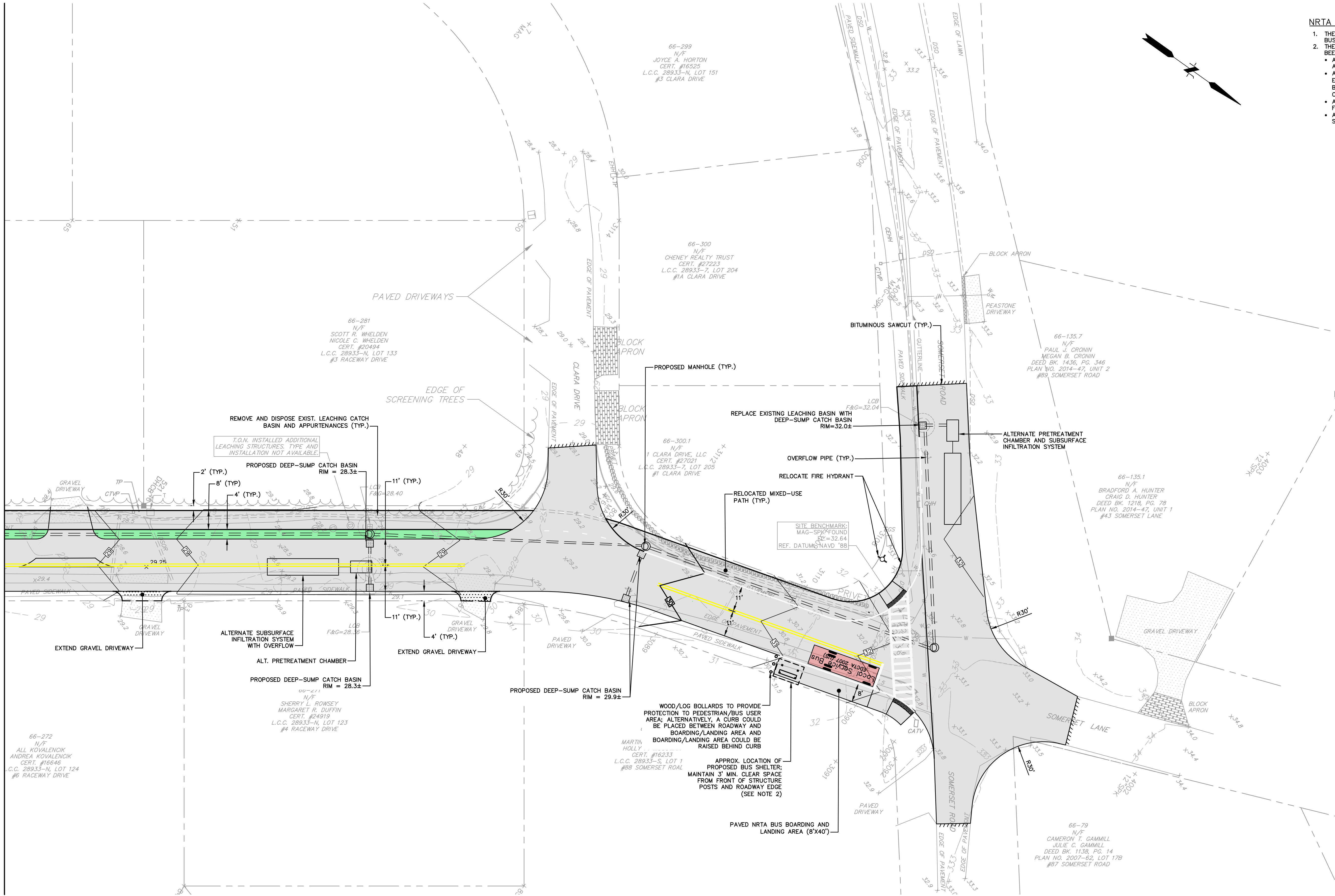
RACEWAY DRIVE IMPROVEMENTS

NANTUCKET MASSACHUSETTS

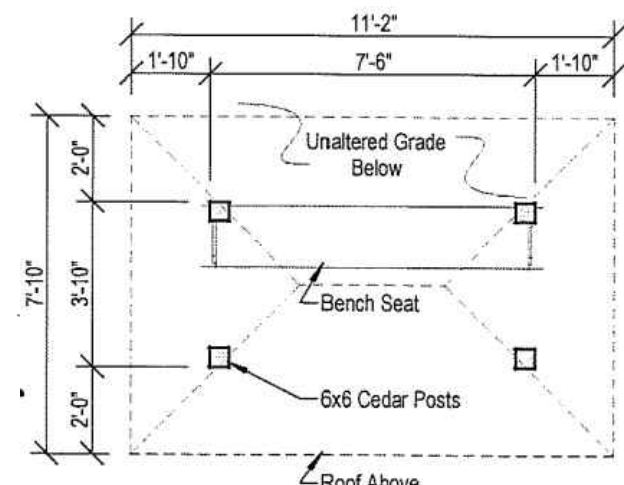
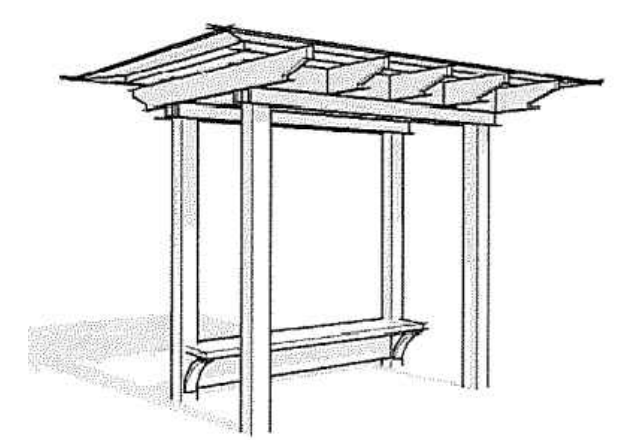
PROJ. No.: 20171100.D20
DATE: JANUARY 2020

CS-101

MATCH LINE SEE SHEET CS-101



- NRTA BUS SHELTER LOCATION NOTES:**
1. THE BUS SHELTER SHOWN ON THIS PLAN CORRESPONDS TO NRTA BUS SHELTER DESIGN OPTION D.
 2. THE LOCATION OF THE BUS SHELTER SHOWN ON THIS PLAN HAS BEEN SITUATED TO:
 - AVOID CONFLICT/ROOF OVERHANG ONTO ADJACENT ROADWAY AND PRIVATE PROPERTY;
 - ALLOW ADEQUATE ROOM AT THE BUS'S FRONT AND REAR ENTRY/EXIT DOORS TO MEET THE MINIMUM SIZE OF BUS STOP BOARDING AND ALIGHTING AREAS (5' CLEAR WIDTH BY 8' CLEAR LENGTH);
 - ALLOW UNRESTRICTED ACCESS FROM CROSSWALK TO BUS'S FRONT AND REAR ENTRY POINTS; AND
 - ALLOW A MINIMUM CLEAR SPACE OF 3' FEET FROM FRONT OF SHELTER POSTS TO EDGE OF ROADWAY.



NRTA BUS SHELTER CONCEPTUAL DETAIL



TYPICAL NRTA BUS

DRAFT

SCALE:
HORZ.: 1"= 20'
VERT.:
DUTUM:
HORZ.:
VERT.:
20 10 0 20
GRAPHIC SCALE

f **FUSS & O'NEILL**
317 IRON HORSE WAY, SUITE 204
PROVIDENCE, RI 02908
401.861.3070
www.fando.com

TOWN OF NANTUCKET
REVISED CONCEPT PLAN NO. 2
RACEWAY DRIVE IMPROVEMENTS
NANTUCKET MASSACHUSETTS

PROJ. No.: 20171100.D20
DATE: JANUARY 2020
CS-102

1.	No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
				XX/XX	XX